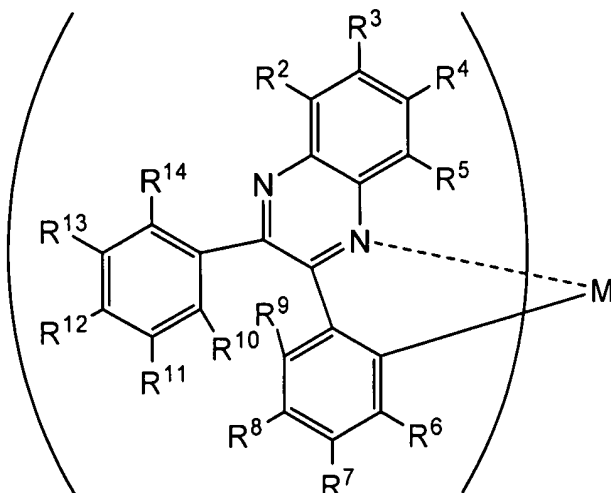


The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-33. (Canceled)

34. (New) An organometallic complex comprising a structure represented by the following formula,



wherein each of R⁷, R⁹, R¹⁰, R¹², and R¹⁴ is hydrogen,

wherein each of R² to R⁶, R⁸, R¹¹, and R¹³ is any one selected from the group consisting of a halogen element, an acyl group, an alkyl group, an alkoxyl group, an aryl group, a cyano group, a heterocyclic group, and an electron-withdrawing group, and

wherein M is one of an element of Group 9 and an element of Group 10.

35. (New) The organometallic complex according to claim 34, wherein the acyl group is any one selected from the group consisting of an acetyl group, a propionyl group, an isobutyryl group, and a methacryloyl group.

36. (New) The organometallic complex according to claim 34, wherein the alkyl group is any one selected from the group consisting of a methyl group, an ethyl group, an n-propyl group, an iso-propyl group, a tert-butyl group, and an octyl group.

37. (New) The organometallic complex according to claim 34, wherein the alkoxy group is any one selected from the group consisting of a methoxy group, an ethoxy group, and a propoxy group.

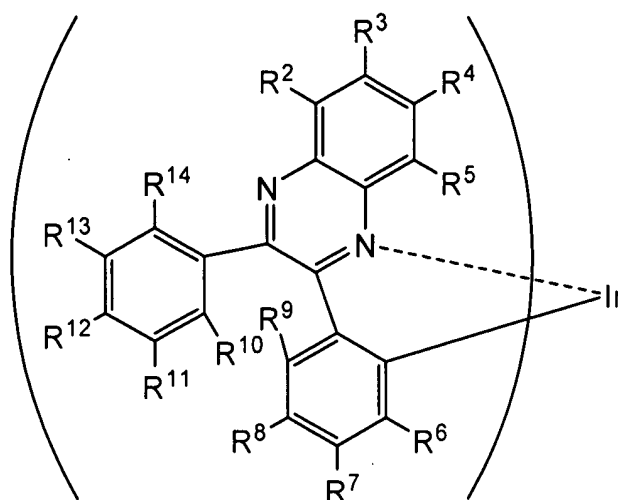
38. (New) The organometallic complex according to claim 34, wherein the aryl group is any one selected from the group consisting of a phenyl group, a 4-methylphenyl group and a 4-ethylphenyl group.

39. (New) The organometallic complex according to claim 34, wherein the heterocyclic group is any one selected from the group consisting of a pyridyl group, bipyridyl group, and a methylpyridyl group.

40. (New) The organometallic complex according to claim 34, wherein the electron-withdrawing group is any one selected from the group consisting of a fluoro group, a trifluoro group, and a cyano group.

41. (New) A light emitting device comprising:
a light emitting element including a first electrode, a second electrode, and a light emitting layer formed therebetween,
wherein the light emitting layer comprises the organometallic complex according to claim 34.

42. (New) An organometallic complex comprising a structure represented by the following formula,



wherein each of R^7 , R^9 , R^{10} , R^{12} , and R^{14} is hydrogen, and

wherein each of R^2 to R^6 , R^8 , R^{11} , and R^{13} is any one selected from the group consisting of a halogen element, an acyl group, an alkyl group, an alkoxyl group, an aryl group, a cyano group, a heterocyclic group, and an electron-withdrawing group.

43. (New) The organometallic complex according to claim 42, wherein the acyl group is any one selected from the group consisting of an acetyl group, a propionyl group, an isobutyryl group, and a methacryloyl group.

44. (New) The organometallic complex according to claim 42, wherein the alkyl group is any one selected from the group consisting of a methyl group, an ethyl group, an n-propyl group, an iso-propyl group, a tert-butyl group, and an octyl group.

45. (New) The organometallic complex according to claim 42, wherein the alkoxyl group is any one selected from the group consisting of a methoxy group, an ethoxy group, and a propoxy group.

46. (New) The organometallic complex according to claim 42, wherein the aryl group is any one selected from the group consisting of a phenyl group, a 4-methylphenyl group and a 4-ethylphenyl group.

47. (New) The organometallic complex according to claim 42, wherein the heterocyclic group is any one selected from the group consisting of a pyridyl group, bipyridyl group, and a methylpyridyl group.

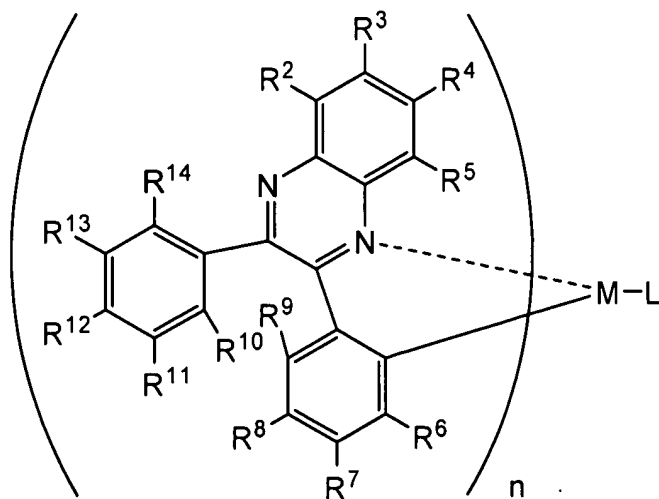
48. (New) The organometallic complex according to claim 42, wherein the electron-withdrawing group is any one selected from the group consisting of a fluoro group, a trifluoro group, and a cyano group.

49. (New) A light emitting device comprising:

a light emitting element including a first electrode, a second electrode, and a light emitting layer formed therebetween,

wherein the light emitting layer comprises the organometallic complex according to claim 42.

50. (New) An organometallic complex represented by the following formula,



wherein each of R^7 , R^9 , R^{10} , R^{12} , and R^{14} is hydrogen,

wherein each of R^2 to R^6 , R^8 , R^{11} , and R^{13} is any one selected from the group consisting of a halogen element, an acyl group, an alkyl group, an alkoxy group, an aryl group, a cyano group, a heterocyclic group, and an electron-withdrawing group,

wherein M is one of an element of Group 9 and an element of Group 10,

wherein $n=2$ when M is the element of Group 9, and $n=1$ when M is the element of Group 10, and

wherein L is a monoanionic ligand.

51. (New) The organometallic complex according to claim 50, wherein the acyl group is any one selected from the group consisting of an acetyl group, a propionyl group, an isobutyryl group, and a methacryloyl group.

52. (New) The organometallic complex according to claim 50, wherein the alkyl group is any one selected from the group consisting of a methyl group, an ethyl group, an n-propyl group, an iso-propyl group, a tert-butyl group, and an octyl group.

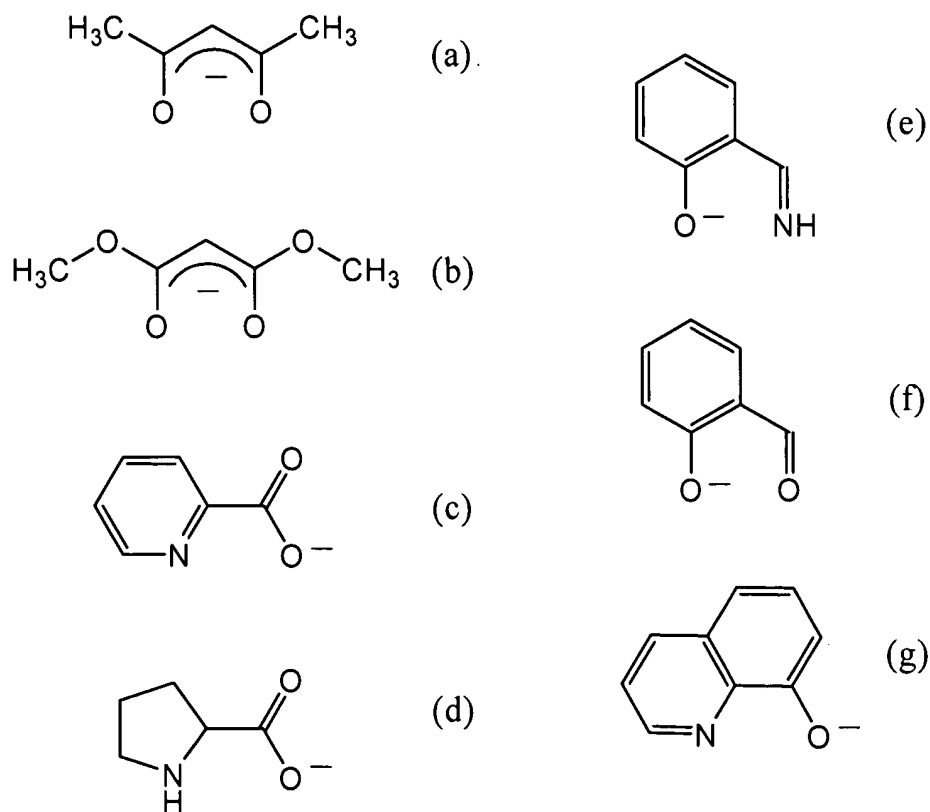
53. (New) The organometallic complex according to claim 50, wherein the alkoxy group is any one selected from the group consisting of a methoxy group, an ethoxy group, and a propoxy group.

54. (New) The organometallic complex according to claim 50, wherein the aryl group is any one selected from the group consisting of a phenyl group, a 4-methylphenyl group and a 4-ethylphenyl group.

55. (New) The organometallic complex according to claim 50, wherein the heterocyclic group is any one selected from the group consisting of a pyridyl group, bipyridyl group, and a methylpyridyl group.

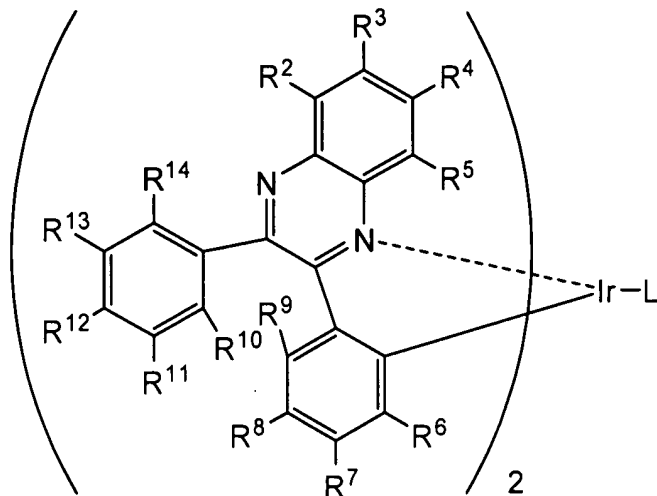
56. (New) The organometallic complex according to claim 50, wherein the electron-withdrawing group is any one selected from the group consisting of a fluoro group, a trifluoro group, and a cyano group.

57. (New) The organometallic complex according to claim 50, wherein the monoanionic ligand is any one selected from the following formulas (a) to (g),



58. (New) A light emitting device comprising:
a light emitting element including a first electrode, a second electrode, and a light emitting layer formed therebetween,
wherein the light emitting layer comprises the organometallic complex according to claim 50.

59. (New) An organometallic complex represented by the following formula,



wherein each of R^7 , R^9 , R^{10} , R^{12} , and R^{14} is hydrogen,

wherein each of R^2 to R^6 , R^8 , R^{11} , and R^{13} is any one selected from the group consisting of a halogen element, an acyl group, an alkyl group, an alkoxyl group, an aryl group, a cyano group, a heterocyclic group, and an electron-withdrawing group, and

wherein L is a monoanionic ligand.

60. (New) The organometallic complex according to claim 59, wherein the acyl group is any one selected from the group consisting of an acetyl group, a propionyl group, an isobutyryl group, and a methacryloyl group.

61. (New) The organometallic complex according to claim 59, wherein the alkyl group is any one selected from the group consisting of a methyl group, an ethyl group, an n-propyl group, an iso-propyl group, a tert-butyl group, and an octyl group.

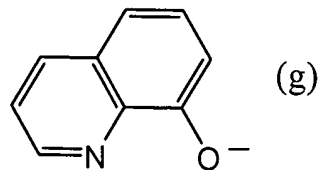
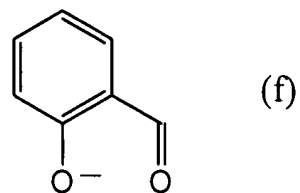
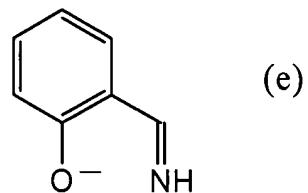
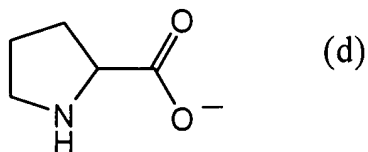
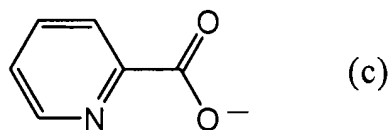
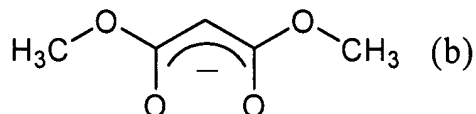
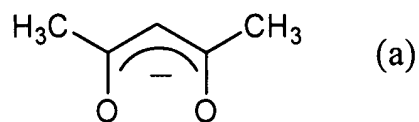
62. (New) The organometallic complex according to claim 59, wherein the alkoxyl group is any one selected from the group consisting of a methoxy group, an ethoxy group, and a propoxy group.

63. (New) The organometallic complex according to claim 59, wherein the aryl group is any one selected from the group consisting of a phenyl group, a 4-methylphenyl group and a 4-ethylphenyl group.

64. (New) The organometallic complex according to claim 59, wherein the heterocyclic group is any one selected from the group consisting of a pyridyl group, bipyridyl group, and a methylpyridyl group.

65. (New) The organometallic complex according to claim 59, wherein the electron-withdrawing group is any one selected from the group consisting of a fluoro group, a trifluoro group, and a cyano group.

66. (New) The organometallic complex according to claim 59, wherein the monoanionic ligand is any one selected from the following formulas (a) to (g),



67. (New) A light emitting device comprising:
a light emitting element including a first electrode, a second electrode, and a light emitting layer formed therebetween,
wherein the light emitting layer comprises the organometallic complex according to claim 59.